

# FILE NOTATIONS

Entered in NID File ✓  
 Entered On S R Sheet ✓  
 Location Map Pinned ✓  
 Card Indexed ✓  
 I W R for State or Fee Land           

Checked by Chief RDS  
 Copy NID to Field Office ✓  
 Approval Letter             
 Disapproval Letter           

## COMPLETION DATA:

Date Well Completed 2-15-61  
 OW            WW            TA             
 GW            OS            PA ✓

Location Inspected 4-2-62  
 Bond released             
 State of Fee Land           

## LOGS FILED

Driller's Log 3-24-61  
 Electric Logs (No. ) 2

E            I ✓ E-I            GR            GR-N            Micro             
 Lat            Mi-L            Sonic            Others Simultaneous Acoustilog (Dual-Speed)

*Sub Report of Abol.*

*Mc  
9-17-91*

	12	
	0	

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency .....

Navajo .....

Allottee .....

Lease No. 14-20-603-262

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL .....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF .....	
NOTICE OF INTENTION TO CHANGE PLANS .....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING .....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF .....		SUBSEQUENT REPORT OF ALTERING CASING .....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL .....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR .....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE .....		SUBSEQUENT REPORT OF ABANDONMENT .....	
NOTICE OF INTENTION TO PULL OR ALTER CASING .....		SUPPLEMENTARY WELL HISTORY .....	
NOTICE OF INTENTION TO ABANDON WELL .....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 17, 1961, 19.....

Navajo Tract 110 #

Well No. 2 is located 660 ft. from ~~N~~<sub>S</sub> line and 1980 ft. from ~~E~~<sub>W</sub> line of sec. 12

SWSE Sec 12	43S	24E	<del>666</del> SLM
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)
	San Juan		Utah
(Field)	(County or Subdivision)		(State or Territory)

The elevation of the derrick floor above sea level is ..... ft. 5166' Ungraded

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Rotary ~~derrick~~ drilling equipment will be used to drill to approximately 5700' to the C<sub>1</sub> Zone. Casing Program: Approximately 250' of 8-5/8" OD smls casing cemented to the surface. Production String: Required amount of 4 1/2" OD or 5 1/2" OD casing cemented with required amount of cement. Mud Program: Conventional gel mud, may convert to oil emulsion to drill pay. Drill Stem Tests: All oil and gas shows will be tested. Electric logs etc will be run before setting casing or abandonment. Stimulation treatments such as acidizing or hydraulic fracturing may be employed in completion.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Humble Oil & Refining Co.  
Production Department  
Address Box 3082  
Durango, Colorado

By   
H L Farris  
Title District Foreman

COMPANY **HUMBLE OIL & REFINING COMPANY - CARTER DIVISION**

Well Name & No. **NAVAJO TRACT 110, Well # \_\_\_\_\_**

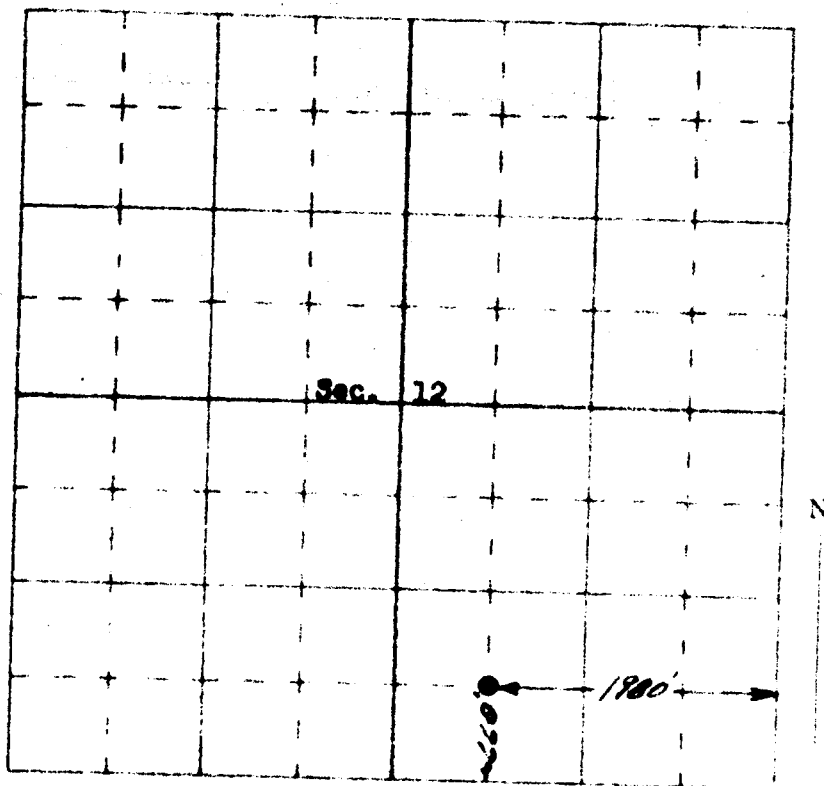
Lease No. \_\_\_\_\_

Location **660' FROM THE SOUTH LINE & 1980' FROM THE EAST LINE**

Being in center **SW SE**

Sec. **12** T **43 S**, R **24 E**, S.L.V., San Juan County, Utah

Ground Elevation **5166' Ungraded ground**



Scale -- 4 inches equals 1 mile

Surveyed **17 January**

19 **61**

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

*James P. Leese*  
Registered Land Surveyor.  
**James P. Leese**  
Utah Reg. No. **1472**

**SAN JUAN ENGINEERING CO., FARMINGTON NEW MEXICO**



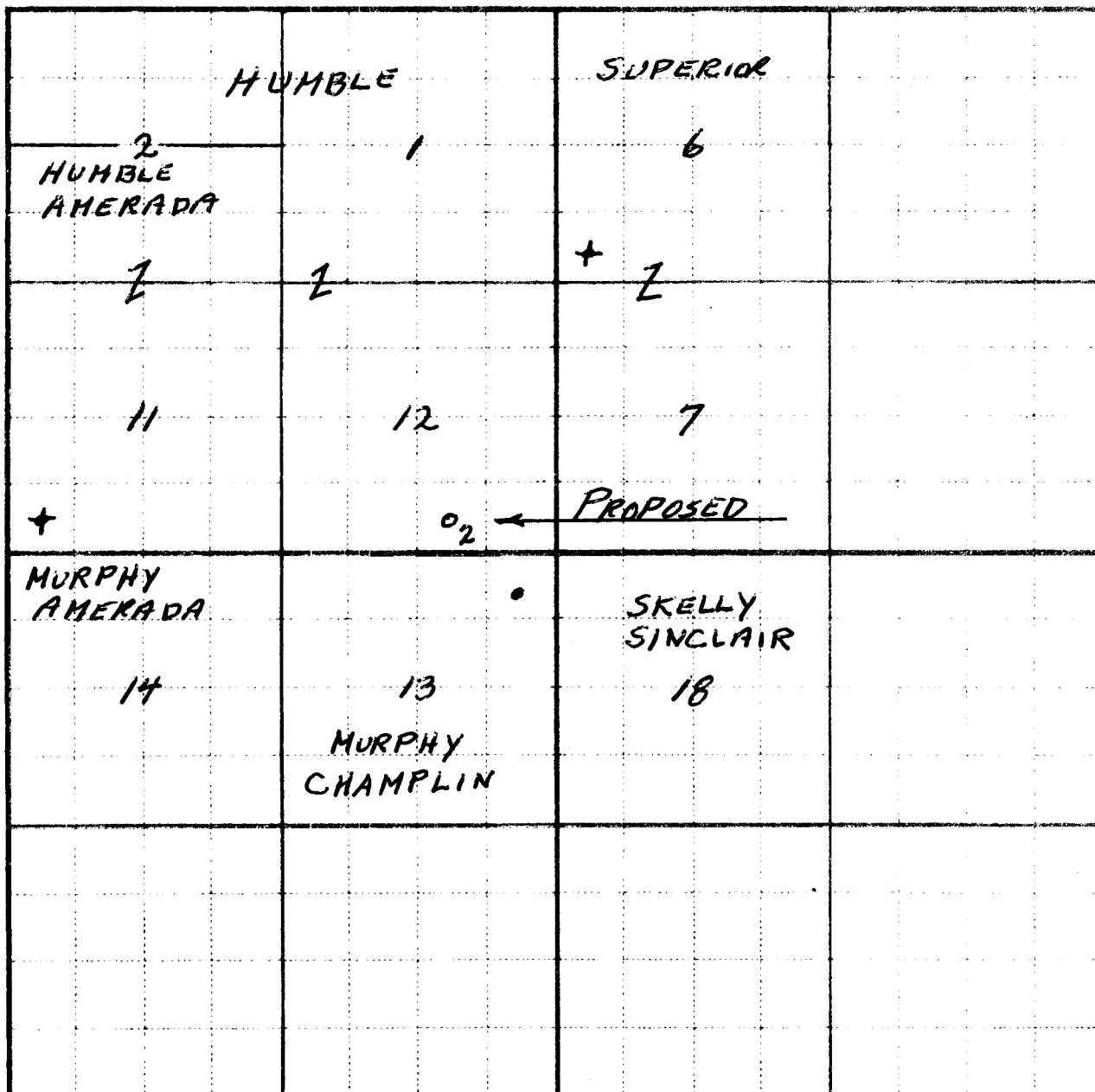
## LEASE PLAT &amp; PIPE LINE DATA

DIV NO. \_\_\_\_\_ BLOCK NAME \_\_\_\_\_ LEASE NO. \_\_\_\_\_  
 LESSOR \_\_\_\_\_  
 TOTAL ACCUMULATED INTEREST \_\_\_\_\_  
 STATE \_\_\_\_\_ COUNTY \_\_\_\_\_ SEC \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ ACRES \_\_\_\_\_  
 DESCRIPTION AND INTEREST \_\_\_\_\_

HUMBLE PROPOSED  
 NAVAJO TRACT 110 # 2

IF USED FOR PIPE LINE DIAGRAM --- PLEASE SUPPLY THE FOLLOWING INFORMATION

Total Length and Size of Pipe Laid \_\_\_\_\_ Pipe Transferred From \_\_\_\_\_  
 Total Length and Size of Pipe Taken Up \_\_\_\_\_ Pipe Transferred to \_\_\_\_\_  
 Depth Buried \_\_\_\_\_ Painted \_\_\_\_\_ Screw, Welded or Coupled \_\_\_\_\_ List Fittings (on back of this sheet if necessary)  
 Date \_\_\_\_\_ District \_\_\_\_\_ Farm or Plant \_\_\_\_\_  
 Signed \_\_\_\_\_  
 (Mail to Engineering Department - Tulsa)



When used as 1/4" Section Scale, 1" = 400'  
 When used as Section Scale, 1" = 800'  
 When used as 4 Sections Scale, 1" = 1600'  
 Place check mark after scale used.

Plat made by _____	Date _____
1/2" Base Map _____	Date _____
Plat Book (Pend.) _____	Date _____ (Comp.) _____
Block Map (Pend.) _____	Date _____ (Comp.) _____
Block Map Tr. (Pend.) _____	Date _____ (Comp.) _____

January 19, 1961

Humble Oil & Refining Co.  
Production Department  
Box 3082  
Durango, Colorado

Attn: H. L. Farris, Dist. Foreman

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo Tract 110 #2, which is to be 660 feet from the south line and 1980 feet from the east line of Section 12, Township 43 South, Range 24 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

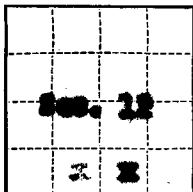
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,  
EXECUTIVE SECRETARY

CBF:awg

cc: P. T. McGrath, Dist. Eng.  
U. S. Geological Survey

H. L. Coonts - OGCC, Moab



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_  
Navajo \_\_\_\_\_  
Allottee \_\_\_\_\_  
Lease No. 14-10-60-1-662

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>XX</b>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 20, 1961

Navajo Tract 110

Well No. 2 is located 660 ft. from XX line and 1980 ft. from E line of sec. 12

SW SE Section 12  
(¼ Sec. and Sec. No.)

43S  
(Twp.)

24E  
(Range)

S1M  
(Meridian)

Wildcat  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5167 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 5685'.

It is intended to plug well as follows: Cement plugs 5685-5100' with 88 sacks; 2620-2520' with 31 sacks; 800-470' with 102 sacks & 30' to surface with 15 sacks. Intervals between cement plugs will be filled with mud. Place regulation dry hole marker in top of surface casing, fill pits and clean location.

Verbal approval by Mr. Rudy Baier to Mr. H. L. Farris on 2-14-61.

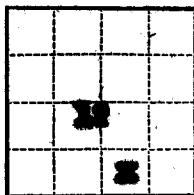
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Humble Oil & Refining Company

Address P. O. Box 3082

Durango, Colorado

By **COPY (ORIGINAL SIGNED) B. M. BRADLEY**  
B. M. Bradley  
Title Dist. Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_  
Allottee \_\_\_\_\_  
Lease No. **11-12-402-112**

Copy to HC K.F.2  
Budget Bureau No. 42-R350.4.  
Approval expires 12-31-60.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
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NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**March 17, 1962**  
**Navajo Tract 110**  
Well No. **2** is located **440** ft. from **S** line and **1900** ft. from **E** line of sec. **12**  
**SW 22 Section 12** **13N** **24E** **81W**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **San Juan** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5167** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**TD 5635'.**  
Well has been plugged and abandoned as follows: Cement plugs 5635-5640' with 80 sacks; 5640-5650' with 11 sacks; 5650-5670' with 102 sacks & 30' to surface with 15 sacks. Intervals between plugs filled with mud. Regulation dry hole marker cemented in top of surface casing. Location has been cleaned, pits filled and is ready for inspection.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Shutle Oil & Refining Company**

Address **P. O. Box 3082**

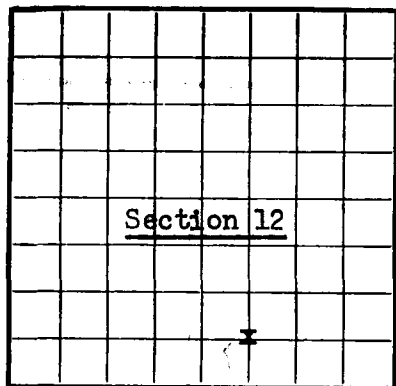
**Durango, Colorado**

By **COPY (ORIGINAL SIGNED) B. M. BRADLEY**  
**B. M. Bradley**  
Title **Dist. Supt.**

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

Salt Lake City, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until \_\_\_\_\_  
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company Humble Oil & Refining Co. Address Box 3082 - Durango, Colorado  
Lease or Tract Navajo Tract "110" Field Wildcat State Utah  
Well No. 2 Sec. 12 T 43S R 24E Meridian SIM County San Juan  
Location 660 ft. N. of S Line and 1980 ft. E. of E Line of Section 12 Elevation 5167  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed B. M. Bradley Title Dist. Supt.

Date March 28, 1961

The summary on this page is for the condition of the well at above date.

Commenced drilling January 23, 1961 Finished drilling February 15, 1961

**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from None to None No. 4, from None to None  
No. 2, from None to None No. 5, from None to None  
No. 3, from None to None No. 6, from None to None

IMPORTANT WATER SANDS

No. 1, from 2570 to 2860 No. 3, from 5572 to 5578  
No. 2, from 5478 to 5494 No. 4, from None to None

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
13-3/8"	48	8	H-40	33'	None	None	-	-	-
8-5/8"	24	8	J-55	509'	Baker	None	-	-	-

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	38	25	Halliburton	-	-
8-5/8"	519	400	Halliburton	-	-

PLUGS AND ADAPTERS

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....  
 Adapters—Material ..... Size .....

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from Surface feet to 5685 feet, and from - feet to - feet  
 Cable tools were used from None feet to - feet, and from - feet to - feet

## DATES

Date P & A February 15, 1961 Put to producing - , 19-

The production for the first 24 hours was - barrels of fluid of which - % was oil; - % emulsion; - % water; and - % sediment. Gravity, °Bé. -

If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas -

Rock pressure, lbs. per sq. in. -

## EMPLOYEES

-, Driller - , Driller  
 -, Driller - , Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	654	654	At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples. (Not logged).
654	760	106	Kayenta
760	1300	540	Wingate
1300	2570	1270	Dechelly
2570	2860	290	Orgon Rock
2860	4468	1608	Not logged.
4468	5328	860	Hermosa
5328	5491	163	Ismay
5491	5522	31	Paradox Shale
5522	5660	138	"B" Carbonate
5660	5685 TD	25	Carbonate Base
			<u>ELECTRIC LOG TOPS</u>

[OVER]

11

### HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

State whether electric logs were run.

Spudded January 23, 1961.

Set 13-3/8" Conductor casing at 38' and cemented to surface with 25 sacks.

Set 8-5/8" Surface Casing at 519' and cemented to surface with 400 sacks.

Core #1: 5450-5505', cut 55', recovered 55'; 11' limestone, brown, no visible porosity, no show; 3' shale, gray brown; 4' limestone, brown no visible porosity, no show; 12' limestone, skeletal, 3' w/possible inter-xln porosity, no show; 3 1/2' limestone with vugular porosity, spotty fluor.; 4 1/2' limestone, skel., no visible porosity, no show; 3' dolomite, brown, no show; 14' shale, black.

Core #2: 5532-5578', cut 46', recovered 43'; 27' dolomite, no show; 15' dolomite, pin-point porosity, spotty stain; 1' limestone, no show (5532-35').

DST #1: 5470-5505'; limestone, A<sub>2</sub> Zone; tool open 2 hours 9 Min.; recovered 150' gas & salt water-cut mud; 1080' gas-cut salt water with H<sub>2</sub>S odor. ISIP 1850#/1 Hr.; IF 85#; FF 525#; FSIP 1850#/2 Hr. 9 Min.; HP 2930#. Temp. 150°.

DST #2: 5525-5578', B Zone. Tool open 2 hours; recovered 30' oil & mud cut water; 510' salt water. ISIP 2005#/1 hour; IF 70#; FF 250#; FSIP 1835#/2 hours; HP 2930#.

Drilled to TD of 5685'. Ran log - Plugged as follows: 5685-5400' with 88 sacks; 2620-2520' with 31 sacks; 800-470' with 102 sacks, and 30' to surface with 15 sacks. Dry hole marker cemented in top of surface casing.

Dry & abandoned February 15, 1961.